Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/15/2019 10:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123923	-1	1.23	123969	1.23
Blue	F	SSC	125000	124053	-1	2.46	124907	2.41
Blue	E	FITC	16694	16306	-3	3.19	378	21.18
Blue	D	PE	32792	32220	-2	2.18	711	15.67
Blue	B	PerCP-Cy5-5	44451	44519	0	4.17	1216	22.91
Blue	A	PE-Cy7	33645	34291	1	6.87	619	48.58
Red	C	APC	47008	46539	-1	2.80	1802	13.43
Red	A	APC-Cy7	32298	31977	-1	2.64	796	13.85
Violet	B	V450	8961	8754	-3	4.21	485	13.81
Violet	A	V500	32726	31573	-4	3.98	760	11.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20256	4.21	606	-7	N/A	N/A	Pass
Blue	F	SSC	56205	1.78	575	7	N/A	N/A	Pass
Blue	E	FITC	63	67.07	563	0	0.0159	56	Pass
Blue	D	PE	141	55.20	567	1	0.1397	278	Pass
Blue	B	PerCP-Cy5-5	224	55.72	672	1	0.0073	45	Pass
Blue	A	PE-Cy7	121	120.80	730	4	0.0087	25	Pass
Red	C	APC	412	27.63	610	-3	0.0183	29	Pass
Red	A	APC-Cy7	197	31.12	583	-2	0.0047	988	Pass
Violet	B	V450	69	68.43	481	-5	0.0495	2312	Pass
Violet	A	V500	107	35.58	490	-6	0.0185	515	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.31	-32.12	1.08
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	17.01	13.60 - 20.40	N/A	N/A	29.47	29.70	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9595

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments